

Sprint Review 1

Sprint 1 (2/01/2021 – 2/12/2021)

Team #4

Scrum Master: Julia VanLandingham

Product Owner: Connor May

Developers: Chris Geidans and Kaitlin Dosch

Goal:

The goal of this sprint was to get some java code to pull voltage values and talk to the stress strain machines. This was important because it is the base functionality to the whole software. If we cannot receive input from the machines, then there is no way for our software to work.

Stories Completed:

- Research Stories:
 - o How to live plot data as it is received.
 - o How to convert voltage to meaningful units.
- Ability to calculate stress strain given elongation and force.
- Ability to convert from English units to metric units.
- Wireframe GUI design.
- Generate Digital Readings from Analog Voltage.

Stories Not Completed:

There were no stories not completed that were added to the backlog. Instead, we ran out of things to do and pulled more items off the Product Backlog to get more stuff to do.

Client Feedback

Dr. Hudoba seemed pleased with the progress we were making overall. He did make note of additional units that may need to be converted into (Pascals and Kipps). He emphasized the need for a clean UI and simple GUI. Also, he expressed the possible need for Autoscaling and curve smoothing as features he would appreciate (taking the average of a range of numbers as a datapoint). Also, some precision settings would be good for determining how many decimals to output and consistently attempting to not lose precision throughout number processing.